

ABSTRACT OF THE DISCLOSURE

A cartridge seal assembly includes a cylindrical housing having a shaft-receiving channel formed therethrough to define an inner annular surface. A sleeve bearing is joined to the housing at the inner annular surface. The mounting relationship of the bearing to the housing is configured to eliminate extrusion gaps, such as with a bonding attachment. As a results, the seals can be located immediately adjacent to the joint line. A pair of annular seal elements are joined to the housing and located within respective annular grooves formed in the housing at opposite sides of the bearing. A first seal located at the high pressure end of the assembly includes static and dynamic sealing areas. A portion of the static sealing area extends past the radially outermost surface of the housing to define a circumferential seal relative to the system housing. The second seal is configured as a wiper device.